UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,176	12/03/2003	Alvin Lo	M61.12-0560	6782

27366   7590   07/13/2007

WESTMAN CHAMPLIN (MICROSOFT CORPORATION)
SUITE 1400
900 SECOND AVENUE SOUTH
MINNEAPOLIS, MN 55402-3319

EXAMINER
TRUONG, CAM Y T

ART UNIT	PAPER NUMBER
2162	

MAIL DATE	DELIVERY MODE
07/13/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)	
Interview Summary	10/727,176	LO ET AL.	
	Examiner	**Art Unit**	
	Cam Y T. Truong	2162	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Cam Y T. Truong*.   (3)_____.

(2) *Christohpher L. Holt (Attorney)*.   (4)_____.

Date of Interview: *27 June 2007*.

Type: a)☐ Telephonic   b)☐ Video Conference
       c)☐ Personal [copy given to: 1)☐ applicant   2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes   e)☐ No.
    If Yes, brief description: _____.

Claim(s) discussed: *1*.
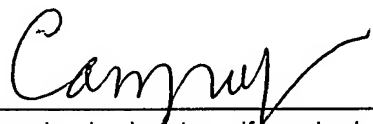
Identification of prior art discussed: _____.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an
Attachment to a signed Office action.

_____
Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant amended claims 1, 10 and 27 by adding term "storage" to get over 101 rejection. Applicant argued that "computer-readable storage medium" makes claims no longer can be interpreted to being limited to the context of a signal. Thus, Applicant requested to withdraw 101 rejection. Examiner indicated that, in the specification, computer readable storage media can be any medium, on page 9, lines 10-30. Thus computer readable storage medium can be signal medium or carrier wave medium. Thus, Examiner still maintained 101 rejection for claims.

Applicant's representative argued that cited reference did not teach "a standardized data representation that includes a description of at least one focal point that represents a point of analysis relative to data in claimed object-relational model".

Examiner pointed out that Colossi teaches metadata objects 130 are able to describe key aspects of schemas frequently used to model OLAP data, such star-join and snowflake schemas. The medata objects 130 provide information about the underlying relational schema, whether or not the metadata objects are included in a more complex multidimensional structure. In particularly, A cube model can be constructed in many ways, but is often built to represent a relational star schema or snowflake schema. A cube model based on a simple star schema is built around a central facts metadata object describes aggregated relational data from a fact table. The above information shows that information of metadata objects 130 is used to analyze relative to data in relational schema as object-relational model. Information is represented as a description (paragraphs [0080-0082]). Applicant's representative will amend claims for further consideration..